

Procedure Name:	FGB Ingress 12/17/97
Applicability:	3a
Frequency:	
Objective:	Ingress the FGB with ventilation and lighting configured.
Description:	
Crew Required:	
Power:	
Data:	
Duration:	
Location:	Node 1, PMA1, FGB Pressurized Adapter (PA), FGB Instrument Compartment (ICC)
Parts:	
Materials:	
Tools:	Flashlight, Duct Tape, APAS Hatch Tool
Constraints:	
Assumptions:	<p>The following describes the configuration prior to the start of this procedure:</p> <p>Node 1 Ingress procedure is complete.</p> <p>Node aft hatch is open.</p> <p>Node aft hatch MPEV is closed.</p> <p>Node aft IMV valves are open.</p> <p>Node 1 to PMA 1 IMV jumper duct is installed.</p> <p>PMA 1 hard duct grill is open (fabric cover is not installed).</p> <p>The FGB has been scrubbed of toxins by MCC-M.</p> <p>The SM / FGB vestibule is equalized with the FGB ICC.</p> <p>The FGB PA is equalized with the FGB ICC.</p> <p>The FGB PA is equalized with PMA 1.</p>
Reference Materials:	

## FGB INGRESS

### TOOLS AND EQUIPMENT REQUIRED:

Spotlight  
General Purpose Tape (2")  
4-inch Adjustable Wrench  
APAS Hatch Tool  
Alcohol Pads (for APAS hatch seal)  
'Return to Houston' bag

AFD CRT SPEC 66 ENVIRONMENT

1. When CABIN dP/dT <0.01

### INGRESS PA

FGB 2. Open FGB PA APAS Hatch  
APAS Select 'ÐÀÁÎ ×ÅÅ'(WORKING) torque setting on hatch tool,  
hatch Insert tool in hatch socket,  
Rotate 3-4 turns in direction of 'Î ÒÊÐ' (Open) arrow until it clicks.

\*\*\*\*\*  
\* If tool prematurely slips or does not engage: \*  
\* Select 'ÅÅÐÀÉÎ Î Å' (EMERGENCY) setting on hatch tool \*  
\* Reattempt to open hatch \*  
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Remove tool.  
Open hatch.  
Tether tool on hatch handle.  
Secure hatch in open position using fixing device.

3. Retrieve hatch protection cover from TBD.  
Install hatch protection cover to PA-ICC hatch.

PA 4. Activate FGB PA Lights:  
Pnl TBD (TBD) → TBD  
TBD

5. √Internal PA Fan Activated

6. Detach PMA 1-PA duct from TBD mount,  
Rotate PMA 1-PA duct into PMA 1.  
Connect to PMA 1 hard duct with V-band clamp.

Pnl 7. Activate duct fan TBD:  
TBD TBD (TBD) → TBD

### INGRESS ICC

8. Open FGB PA-ICC Hatch using procedure in step 2 above.

ICC

Pnl

TBD

9. Activate FGB ICC Lights:  
TBD (TDB) → TBD

10. Detach PA-ICC duct from TBD mount,  
Rotate PA-ICC duct into PA.  
Connect to PA hard duct via TBD.

Pnl

TBD

11. Activate duct fan TBD:  
TBD (TBD) → TBD
12. Retrieve hatch protection cover from TBD.  
Install hatch protection cover to PA-ICC hatch.

NOTE

Perform the following steps only if APCU power is available  
to Node 1 IMV Aft Port Fan

PCS

ACTIVATE NODE 1 - FGB INTERMODULE VENTILATION

Node 1: ECLSS

NODE 1: ECLSS

sel Node\_1\_Aft\_Port\_IMV\_Fan

13. sel RPC Commands  
**cmd** RPC Position - Close **Execute**  
√RPC Position - Close

NODE 1: Aft Port IMV Fan

**cmd** On **Execute**  
√Status - In Transition

NODE 1: Aft Port IMV Fan

Wait 15 seconds  
√Status - On  
√Speed, rpm = 7462 --- 9500